

(EAST BOUND SHOWN, WEST BOUND SIMILAR)

Part

PARTS FOR ELEVATING PLATFORM CONTROL

Description

	' - '	2000. 19110.1	0.20	
<u> </u>	L5-L6	Elevator Platform control Limit Valve	1/4"	I or 2
\$	6C	Shuttle Valve: Will be actuated by either \$1.5 or L6 as necessary.	1/4"	0 or 1
^ -	31	Pressure Regulator set to limit pressure to (689 kPag (100 psig))	1 1/4"	l or 2
<u>(6)</u>	31A	Pressure Regulator šěť ťo ľľmiť pressure ťo čát váší váší váší váší váší váší váší váší	3/4"	l or 2
	32	Full flow throttle and reverse valve for the linear actuator air motors with built-in emergency stop button. Deadman operation. Use same valve type as is used for trolley throttles.	1 1/4"	l or 2
	33	Linear Actuator Air Motor. Max air consumption 183 scfm per motor		I or 2
	34	Exhaust Choke Throttling Valve	To suit motor port	I or 2
	35	Silencer	To suit motor port	I or 2
	36	Inline Lubricator: One Required at each air motor inlet.	3/4"	2 or 4
	37	NOT USED		
	38	Piloted Safety Valve to allow flow only when Pedal Valve 40 is actuated. - Poppet Valve	1 1/4"	l or 2
	39	NOT USED		
	40	Pedal Control Valve, located at the Elevated Platform Control Station. Operation: I. To lift Elevated Platform, Pedal must be held depressed while operating the Throttle Valve.	1/4"	I or 2
	41	3-Way Manual Diversion Ball Valve with Latch-Lock Lever and Nut to allow isolation of Elevating Platforms for maintenance or repair without having to shut down the other air systems on the Traveler	l 1/4"	I
<u>, , , (</u>	42	3-Way Normally Open Palm Button Valve	1/4"	I OR O



FOR REVISIONS ONLY

R. Valizadeh/V. Toan/Y. L. /W. L. /F. C.

Regr Valzadel / Vong Jan / Y. Lin SIGN OFF DATE 01/08/12

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE 01/06/12 MISCELLANEOUS TRAVELER MODIFICATIONS ΑS 1835 6 08/23/11 MISCELLANEOUS TRAVELER MODIFICATIONS AS 183 4 02/25/11 TRAVELER MODIFICATIONS AS 183 02/12/10 TRAVELER MODIFICATIONS AS 245 2 08/21/09 TRAVELER MODIFICATIONS RН AS 2451 DESIGN ↑ 07/20/07 RAIL CHANGE & MISCELLANEOUS DETAILS RD NV 24 DETAILS DESCRIPTIONS MARK DATE BY CH'D

REVISIONS

CONTRACT CHANGE ORDER NO.

SHEET OF

REVISION 6 SUPERSEDES REVISIONS 4 & 5

R. Scott

Z. Istre

BY R. Scott

UANTITIES

R. Henriksen

J. Otter

T. Ho

ISTATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ORIGINAL SCALE IN MILLIMETERS 0 10 20 30 40 50 60 70 80 90 100

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN PREPARED FOR THE

BRIDGE NO. Manzanarez 34-0006L/I PROJECT ENGINEER ILOMETER PO 13.2/13.

(SUPERSTRUCTURE & TOWER)

TRAVELER AIR SYSTEM-02A

DISREGARD PRINTS BEARING EARLIER REVISION DATES 718R6

TRAVELER AIR SYSTEM NOTES:

Quantity/Traveler

I. All double check valves shall be installed horizontally.

Caltrans

SF

12-19-08

PLANS APPROVAL DATE

825 BATTERY STREET

SAN FRANCISCO, CA 94111

80

Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.go.

REGISTERED ENGINEER - ČIVIL

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

T.Y. LIN / MOFFATT & NICHOL

04

13.2/13.9 | 1135R6 | 1204

Roupen Donikian

No. C 56519

Exp. 06/30/09

- 2. All vents without silencers unless noted otherwise shall have a minimum of 300 mm of pipe and terminate with a screened
- 3. Flexible hose (not to exceed 750 mm in length unless otherwise noted or shown) may be used for final connections to equipment.
- 4. All pipe sizes are typical for similar locations.
- 5. On board rigid pipe to be SCHED 40.
- 6. Provide support to 2" pipe within 150 mm of each pipe hose connection and at 1800 intervals maximum.
- 7. Provide downturned elbow and reducer as required at each equipment
- 8. Provide sufficient flexible connection hose to accommodate traveler movement (12,000 mm length).
- 9. Mount throttle and whistle valves so as to be accessible by hand.
- 10. Mount main system pilot valves (Dead Man Switch) so as to be
- II. Fabricator to design and provide a steel framed, plywood sheathed control console. Provide weather cover for all controls.
- 12. Traveler operating speed 6.1 m/min (20 fpm) fully loaded going
- 13. Anticipated trolley air consumption at full speed is 33 scfm per motorized trolley.
- 14. Pneumatic schematics illustrate the principles of the pneumatic systems. System manufacturer is to review pneumatic schematics; carry out detailed layout of the system; make any detailed modifications necessary to ensure the proper operation of the
- 15. For functional description of components and other requirements, see specification.
- 16. Elevating platform drives and actuators are designed to operate with air pressure in the range from 490 to 690 kPa (70 to 100 psig). Provide pressure relief valves to avoid supply of excessive pressure to the drive motor so as to avoid excessive motor stall-out torque.
- 17. SAS EB & WB Travelers have 4 suspension systems (12 motors) and one elevating platform each.
- 18. E2/E3 EB & WB Travelers have 8 suspension systems (24 motors) & two elevating platforms each. These travelers change suspension systems
- 19. Quick disconnects items | | & |2 are only on the E2/E3 Travelers. SAS Travelers are to be piped with fixed connections.
- 20. Main system pilot valves (item(5)) I required for operator facing east and I required for operator facing west.

SAN FRANCISCO OAKLAND BAY BRIDGE EAST SPAN SEISMIC SAFETY PROJECT SELF-ANCHORED SUSPENSION BRIDGE

NOTES:

For location of Traveler Control

Stations see Assembly sheets

for each traveler

operated by foot.